

Science

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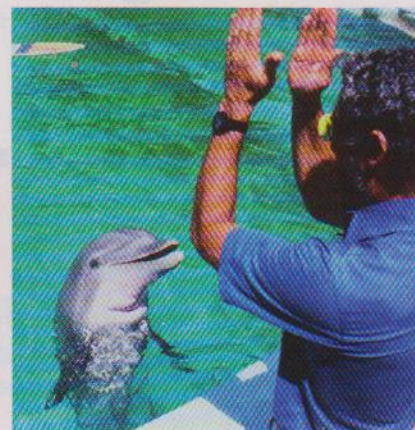
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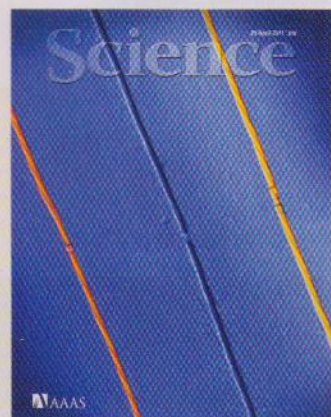
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COVER

False-colored atomic force microscopy image of three carbon nanotubes on a silicon dioxide substrate (composite of scans on three devices). The middle nanotube is disconnected by a ~40-nanometer gap; the outer nanotubes have similar nanogaps bridged by a phase-change material (PCM) bit. Such small bits can be switched by voltage pulses with energy consumption that is one hundred times lower than that of modern PCM data storage. See page 568.

Image: Alex Jerez, Feng Xiong, and Eric Pop, University of Illinois Urbana-Champaign

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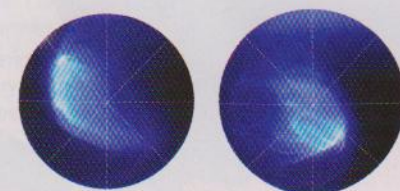
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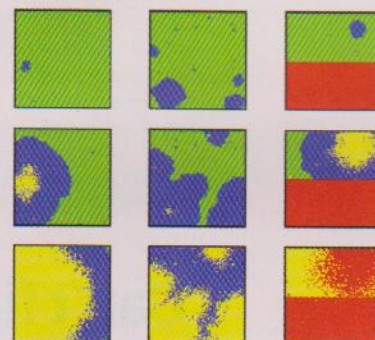
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10.1126/science.1205358

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Full text at www.sciencemag.org/cgi/content/full/332/6029/537-a

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Full text at www.sciencemag.org/cgi/content/full/332/6029/537-b

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Highlights From Our Daily News Coverage

Expert Panel: Central U.S. Faces Real Threat of Quake

Millions in the American heartland face a genuine, if uncertain, seismic risk. <http://scim.ag/new-madrid>

2010's Volcano-Induced Air Travel Shutdown Was Justified

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Fire Ants Surf Floods on Rafts of Their Own Bodies

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SCIENCE SIGNALING

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The Signal Transduction Knowledge Environment

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SCIENCE CAREERS

www.sciencereers.org/career_magazine

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27 April issue: <http://scim.ag/stm042711>

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PERSPECTIVE: The NCGC Pharmaceutical Collection—A Comprehensive Resource of Clinically Approved Drugs Enabling Repurposing and Chemical Genomics

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The NIH Chemical Genomics Center houses a database and a library of approved drugs.

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